

February 25, 1948

WESTINGHOUSEX-RAY TUBE DATA SHEETElectron Tube Type 5534GENERAL

Electrical Data

Filament Current Range

3.5 to 5.5

Amperes

Filament Voltage Range

3.5 to 10

Volts

Mechanical Data

Type of Cooling

Air

Focal Spot Size

4.2

mm

Projected length

4.2

mm

Width

G2-2

Base Description

15-1/4 x 3-13/16

Inches

Maximum Overall Dimensions

5534

Outline Drawing Number

Any

Mounting Position

MAXIMUM RATINGS

Heat Capacity

150,000

*Heat units

Continuous Rating

12,000Heat units
per minuteMaximum Fluoroscopic Rating at a Loading
of 425 (KV x MA)**10

Minutes

	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u> <u>Inverse</u>	<u>Useful</u>	<u>Units</u>
Peak plate voltage	100	100	100	90	Kilovolts
Value of D-C average current at maximum voltage rating	68	45	-	34	Milliamperes.
Allowable time of operation under above conditions	1/20	1/20	-	1/20	Second

Table of short-time ratings which are given as the product of peak kv useful times
D-C average milliamperes.

<u>Time</u>	<u>Full Wave</u>	<u>Half Wave</u>	<u>Self-rectified</u>
0.1 Sec.	18250	13000	8700
1 "	11800	9600	6900
5 "	8100	7300	5650
30 "	3400	3400	3400

*Heat units are defined as the product of the peak voltage in kilovolts, D-C average
current in milliamperes, and the exposure time in seconds, and is proportional to energy.

**KV x MA is defined as the product of Peak KV times D-C average MA and is proportional
to power.

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RMA TYPES 5532, 5533, 5534

